Ting-Ho Lin (Kevin)

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OBJECTIVE

Dedicated, effective, and motivated team player seeking a career as Software Engineer.

EDUCATION

Washington University in St. Louis   May 2017**,** St. Louis, MO

Master of Science in Electrical and System Engineering   *GPA in Computer Science (18 credits): 3.46/4.0*

 Relevant Course Work: *Rapid Prototyping and Creative Programming, Mobile Application, Machine Learning, Programming Concepts and Practices, Software Engineering Workshop, Information Theory, Optimization, Wireless Sensor Network*

National Central University (NCU)   June 2014, Taiwan

Bachelor of Science in Telecommunication Engineering   GPA: *3.83/4.0*

TECHNICAL SKILL

Programming/Scripting Languages:

Proficient in Python, Java, Javascript, HTML, CSS, Jquery, MongoDB, ExpressJS, AngularJS, and NodeJS

Familiar with Bash Scripts, C++, SQL, PHP, Swift, and Matlab

WORK EXPERIENCE

e|tab   St. Louis, MO

Software Development Intern   April - July 2017

- Cooperated with one developer on the team in development of various CRUD (Create, Read, Update, Delete) services API based on Sails MVC framework as backend system in order to build the connection between MongoDB database and frontend Angular web applications
- Designed multiple services in Javascript for specific devices API provided by different manufacturers
- Developed responsive frontend web applications for customer survey by using Angular 4 and Bootstrap
- Implemented location recommendation analysis with Python and Scikit-learn based on the fundamental machine learning methods, such as k-NN, linear regression, logistic regression and data fetched from Google places API and Twitter API in order to provide comparison between current location and better future location for business
- Communicated with client engineers from different device providers, set up testing environment in Linux and testing web application to examine if devices are viable for current system architecture

ProphetStor   Milpitas, CA

Software Intern   June - August 2016

- Designed sanity test scripts (Bash and Python) through command line incorporated with internal API in order to test the Software Define Storage product in quality assurance procedure
- Contributed frontend web application designing skills and worked collaboratively with frontend team in development of product UI and maintenance of the company website
- Assisted in communication with customers during discussion of customized product management UI details

PROJECTS

Smart Home Application

Washington University in St. Louis, Spring 2017

- Developed the controller and display web application with NodeJS, ExpressJS, and Socket.io. Incorporated with AWS and Amazon Internet of Things to realtime display the data collected by backend devices and control the devices, such as Raspberry Pi, temperature/humidity sensors, and LED lights
  Technologies used: NodeJS, ExpressJS, Socket.io, Amazon IoT, Amazon EC2, Google Charts

Search Engine Application

Washington University in St. Louis, Fall 2016

- Performed a geographically-oriented search engine iOS application in Swift featured with filter functions and automatic recommendation based on search history and user geolocation
  Technologies used: Swift, Yelp API

Inpatient Information System Application

Washington University in St. Louis, Spring 2016

- Implemented an information system through AngularJS to display large nationwide inpatient information datasets from data.gov. Incorporated with Angular google map API to obtain user current geolocation and nearby hospitals
  Technologies used: AngularJS, Google Map API, Bootstrap